

Product datasheet for **SC302812**

CSEN (KCNIP3) (NM_001034914) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSEN (KCNIP3) (NM_001034914) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSEN
Synonyms:	CSEN; DREAM; KCHIP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001034914 edited
 CTATAGGGCGGCCGCGATGGGCATCCAGGGCATGGAGCTGTGCGCCATGGCCGTGGTGGT
 GCTGCTGTTTCATCGCCGTCTCAAGCAGTTCGGCATCCTGGAGCCCATATCCATGGAAGA
 TAGCAGCGACAGTGAGCTGGAGCTGTCCACGGTGCGCCACCAGCCAGAGGGGCTGGACCA
 GCTGCAGGCCAGACCAAGTTACCAAGAAGGAGCTGCAGTCTCTACAGGGGCTTTAA
 GAATGAGTGTCCCACGGGCTGGTGGACGAAGACACCTTCAAACCTCATTTACGCGCAGTT
 CTTCCCTCAGGGAGATGCCACCACCTATGCACACTTCTCTTCAACGCCTTTGATGCGGA
 CGGGAACGGGGCCATCCACTTTGAGGACTTTGTGGTTGGCTCTCCATCTGCTGCGGGG
 CACAGTCCACGAGAAGCTCAAGTGGGCCTTTAATCTCTACGACATTAACAAGGATGGCTA
 CATCACC AAAAGAGGAGATGCTGGCCATCATGAAGTCCATCTATGACATGATGGGCCGCCA
 CACCTACCCCATCTGCGGGAGGACGCGCCGGCGGAGCACGTGGAGAGGTTCTTCGAGAA
 AATGGACCGGAACCAGGATGGGGTAGTGACCATTGAAGAGTTCCTGGAGGCCTGCAGAA
 GGATGAGAACATCATGAGCTCCATGCAGCTGTTTGAATGTCATCTAGGACACGTCCAA
 AGGAGTGCATGGCCACAGCCACCTCCACCCCAAGAAACCTCCATCTGCCAGGAGCAGC
 CTCCAAGAACTTTTAAAAAATAGATTTGCAAAAAGTGAACAGATTGCTACACACACACA
 CACACACACACACACACACACACAGCCATTCATCTGGGCTGGCAGAGGGGACAGAG
 TTCAGGGAGGGGCTGAGTCTGGCTAGGGGCCGAGTCCAGGAGCCCGAGCCAGCCCTTCCC
 AGGCCAGCGAGGCGAGGCTGCCTCTGGGTGAGTGGCTGACAGAGCAGGTCTGCAGGCCAC
 CAGCTGCTGGATGTCACCAAGAAGGGGCTCGAGTGCCCTGCAGGGGAGGGTCCAATCTC
 CGGTGTGAGCCCACCTCGTCCCCTTCTCCATTCTGCTTTCTTGCCACACAGTGGGCCGGC
 CCCAGGCTCCCCTGGTCTCCTCCCGTAGCCACTCTTGCCCACTACCTATGCTTCTAGA
 AAGCCCCACCTCAGGACCCAGAGGGACCAGCTGGGGGACAGGGGGAGAGGGGTA
 TGGAGCCAAGCCTGCAGCTTTCTGGAATTCTTCCCTGGGGTCCCAGGATCCCCTGCT
 ACTCCACTGACCTGGAAGAGCTGGGTACCAGGCCACCCACTGTGGGCAAGCCTGAGTGG
 TGAGGGGCCACTGGGCCCATCTCCCTCCATGGCAGGAAGGCGGGGATTTCAAGTTTA
 GGGATTGGGTCTGGTGGAGAATCTGAGGGCACTCTGCCAGCTCCACAGGGTGGGATG
 AGCCTCTCCTTGCCCCAGTCTGGTTCAGTGGGAATGCAGTGGGTGGGGCTGTACACACC
 CTCCAGCACAGACTGTTCCCTCCAAGTCTCTTAGGTCCCGGAGGAACGTGGTTCAGA
 GACTGGCAGCCAGGGAGCCCGGGCAGAGCTCAGAGGAGTCTGGGAAGGGGCGTGCCT
 CCTTCTCTGTAGTGCCCTCCCATGGCCAGCAGCTTGGCTGAGCCCCCTCTCCTGAAG
 CAGTGTGCGCGTCCCTCTGCCTTGCAAAAAGCACAAGCATTCTTAGCAGCTCAGGCG
 CAGCCCTAGTGGGAGCCAGCACACTGCTTCTCGGAGGCCAGGCCCTCCTGCTGGCTGAG
 GCTTGGGCCAGTAGCCCAATATGGTGGCCCTGGGGAAGAGGCCTTGGGGTCTGCTCT
 GTGCCTGGGATCAGTGGGGCCCCAAAGCCAGCCCGGCTGACCAACATTCAAAAGCACA
 ACCCTGGGACTCTGCTTGGCTGTCCCCTCCATCTGGGATGGAGAATGCCAGCCCAAAG
 CTGGAGCAATGGTGAGGGCTGAGAGGGCTGTGGCTGGGTGGTGCAGCAGAAACCCCAAG
 AGGAGAGAGATGCTGCTCCCGCTGATTGGGGCTCACCCAGAAGGAACCCGGTCCCAGG
 CCGCATGGCCCCCAGGAACATTCCCACATAATACATTCCATCACAGCCAGCCAGCTC
 CACTCAGGGCTGGCCCGGGGAGTCCCCGTGTGCCCAAGAGGCTAGCCCCAGGGTGA
 GGGCCCTCAGAGAAAGGCAGTATGGCGAGGCCATGGGGGCCCTCGGCATTCACACAC
 AGCCTGGCCTCCCTGCGGAGCTGCATGGACGCCTGGCTCCAGGCTCCAGGCTGACTGGG
 GCCTCTGCCTCCAGGAGGCATCAGCTTTCCTGGCTCAGGGATCTTCTCCCTCCCCTC
 ACCCGTGCACAGCCCTCCAGCTGGTGTCACTCTGCCTTAAGGCCAAGGCCTCAGGAG
 AGCATCACCACACACCCTGCCGGCTTGGCCTTGGGGCCAGACTGGCTGCACAGCCCA
 ACCAGGAGGGTCTGCCTCCCACGCTGGGACACAGACCGCCGCATGTCTGCATGCCAGA
 AGCGTCTCCCTTGGCCACGGCTGGGAGGGTGGTTCCTGTTCTCAGCATCCACTAATATT
 CAGTCTGTATATTTAATAAAAATAAAGTGGACAAAGGAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001034914

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001034914.1.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001034914.1, NP_001030086.1</u>
RefSeq Size:	2735 bp
RefSeq ORF:	693 bp
Locus ID:	30818
UniProt ID:	<u>Q9Y2W7</u>
Cytogenetics:	2q11.1
Protein Families:	Druggable Genome, Transcription Factors, Transmembrane
Gene Summary:	<p>This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. Members of this family are small calcium binding proteins containing EF-hand-like domains. They are integral subunit components of native Kv4 channel complexes that may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. The encoded protein also functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) includes an alternate in-frame segment in the 5' coding region and uses an alternate start codon, compared to variant 1. The resulting protein (isoform 2) is shorter and has a unique N-terminus, compared to isoform 1.</p>